Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/20/2021 09:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124372	-1	3.83	124439	3.68
Blue	F	SSC	125000	125445	0	4.24	126066	4.13
Blue	E	FITC	14284	13817	-4	4.39	386	14.33
Blue	D	PE	23919	23364	-3	4.17	552	11.55
Blue	B	PerCP-Cy5-5	31332	30497	-3	4.80	874	15.82
Blue	A	PE-Cy7	22272	22145	-1	6.57	459	32.43
Red	C	APC	47768	46982	-2	2.88	1615	11.87
Red	A	APC-Cy7	25313	24544	-4	3.27	691	12.69
Violet	B	V450	7085	6778	-5	4.20	474	11.66
Violet	A	V500	26969	25835	-5	3.82	887	9.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23582	4.90	589	0	N/A	N/A	Pass
Blue	F	SSC	55675	3.87	525	4	N/A	N/A	Pass
Blue	E	FITC	57	55.60	496	-5	0.0403	51	Pass
Blue	D	PE	106	40.07	493	-4	0.3412	240	Pass
Blue	B	PerCP-Cy5-5	136	43.70	583	-5	0.0185	83	Pass
Blue	A	PE-Cy7	74	85.53	631	-4	0.0201	2	Pass
Red	C	APC	335	27.25	580	0	0.0265	211	Pass
Red	A	APC-Cy7	128	37.06	553	-2	0.0062	1724	Pass
Violet	B	V450	80	46.92	457	-6	0.0548	2180	Pass
Violet	A	V500	104	30.52	468	-6	0.0207	426	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.49	-31.37	1.02
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.44
Red	13.84	13.60 - 20.40	N/A	N/A	29.71	29.95	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 14986

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments